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The conceptual basis for mediation services

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G Wiederhold... - IEEE Expert, 2002 - [ieeexplore.ieee.org](#)

... There is a strong linkage here to concepts such as **virtual** enterprises; mediation provides the required openness in the architecture. ... 42 IEEE EXPERT ... The mediator's designer can omit **resources** or add conditions on their use. ...

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Designing grid services for distributed knowledge discovery

[\[PDF\] from psu.edu](#)

A Congiusta, A Pugliese, D Talia... - Web Intelligence and Agent ..., 2003 - IOS Press

... software technologies and, from this point of view, ap- pears as a "virtual system" in ... mentioned before has been de- signed as an application specific layer for **constructing** and publishing ... process descriptions are not bound to specific servers since the **actual resources** are later ...

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Supporting resource discovery among public internet archives using a spectrum of information quality

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MF Schwartz, DR Hardy... - Distributed ..., 2002 - [ieeexplore.ieee.org](#)

... CH2996-7/91/0000/0082\$01 .00 0 1991 IEEE ... using a database to describe **resources** held there, and by encouraging site administrators to **construct** conceptual descrip ... Yet, we prefer missing some **resources** over having atftcpahe guess what is valuable or, worse yet, **retrieve** ...

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Internet resource discovery services

[\[PDF\] from tugraz.at](#)

K Obraczka, PB Danzig... - Computer, 2002 - [ieeexplore.ieee.org](#)

... 00IX~9162/93/0900-0008so3 00 @ 1993 IEEE ... Archie's developers have described it as a low-tech solution to the **resource** discovery and information-retrieval problem. ... The administrator creates a link to the new **virtual** system in the master view of **virtual** systems so that other ...

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[PDF] A comparison of Internet resource discovery approaches

[\[PDF\] from psu.edu](#)

MF Schwartz, A Emtage, B Kahle... - Computing Systems, 1992 - CiteSeer

... Library science has developed methods over hundreds of years to **construct** a model in ... for them in the appropriate index, or by browsing through related **virtual** systems. ... we now examine the transformations used between several existing Internet **resource** discovery systems. ...

[Cited by 140](#) - [Related articles](#) - [View as HTML](#) - [Library Search](#) - [BL Direct](#) - [All 31 versions](#)

Using parameterized URLs for retrieving resource content items

MJ Encarnacion, J Flaks... - US Patent App. 10/742,635, 2003 - Google Patents

... Cl.7 G06F 15/16 (52) US Cl 709/217; 709/203 (57) ABSTRACT A UPnP network provides a flexible technique for **retrieving a resource** content item from a ... 1 OECD CD-P-C- ' n^" ! § gg-gi^ai gsa |||4^ i |5| v 1 0> £ l =3 CO "St-l/* jfill \ 1 O — 10 :: J) / - - » l - J / \ **Resource Store** 320 3 ...

[All 2 versions](#)

[PDF] [Scalable internet **resource** discovery: Research problems and approaches](#)

[PDF] from psu.edu

CM Bowman, PB Danzig, U Manber, MF Schwartz... - 1993 - Citeseer

... The key behind the Dynamic WAIS gateways is the conceptual work of **constructing** the map ... the domains to search, the WAIS retrieval phase is mapped into an **actual** domain search ... Searching is a process where the user provides some description of the **resources** being sought ...

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[Apparatus and method for managing **resources** in a network combining operations with name resolution functions](#)

K Horikiri, I Yamashita, S Kawabe... - US Patent ..., 1998 - Google Patents

... OTHER PUBLICATIONS Dasgupta, P. "**Resource** Location in Very Large Networks", **IEEE** pp. ...

A user can obtain access to a **virtual resource** corresponding to the input name by using the ... to the above **construction**, an apparatus for and a method of managing **resources** can be ...

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[A blueprint for introducing disruptive technology into the Internet](#)

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L Peterson, T Anderson, D Cullier... - ACM SIGCOMM ..., 2003 - portal.acm.org

... [3] M. Balazinska, H. Balakrishnan, and D. Karger. INS/Twine: A Scalable Peer-to-Peer Architecture for Intentional **Resource** Discovery. ... [11] J. Gelinas. **Virtual** private servers and security contexts. ... In Proceedings of the **IEEE** INFOCOM Conference, New York, NY, June 2002. ...

[Cited by 706](#) - [Related articles](#) - [BL Direct](#) - [All 43 versions](#)

[Representing the semantics of **virtual** spaces](#)

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C Chen, L Thomas, J Cole... - Multimedia, **IEEE**, 2002 - [ieeexplore.ieee.org](#)

... 60 **IEEE** MultiMedia ... The persistent nature of StarWalker lets people access such **resources** as an integral part of their distributed collaborative environment. In this way, StarWalker merges and integrates a media space with a collaborative **virtual** environ- ment, where users can ...

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[CITATION] [Reusing online **resources**: a sustainable approach to e-learning](#)

[HTML] from coen.ac.uk

A Littlejohn - 2003 - RoutledgeFalmer

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[Components for distributed **virtual** environments](#)

M Oliveira, J Crowcroft... - Presence: Teleoperators & Virtual ..., 2001 - MIT Press

... the experience of existing VE systems, but also from lessons learned from the **construction** of cyber ... the cost of develop- ment of new technologies (both in terms of **resources** and time ... 1995 **IEEE Virtual Reality Annual International Symposium (VRAIS'95)**, North Carolina, March. ...

[Cited by 12](#) - [Related articles](#) - [BL Direct](#) - [All 6 versions](#)

AD 662 3 36A926 82422/00000

... [6] Huang J. Fang-Tsou, C. Chang J. "A Multiuser 3D Web Browsing System", **IEEE** Internet Computing, 2,5 ... [7] VRML Consortium, "The **Virtual** Reality Modelling ... Request for Comments: 1738, "Uniform **Resource** Locators (URL)" Editors L. Masinter Xerox Corporation, M. McCahill ...

A concept for tactical wide-area network hub management

Cited by 9 - Related articles - SciDirect

C Hess, M Román... - Pervasive Computing, 2002 - Springer

[Cited by 70](#) - [Related articles](#) - [51 Other](#) - [All 3 versions](#)

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... Systems Development Managing an organisation, especially if it operates from and shares **resources** with different ... An example in **construction** would be software designed to deliver the paperless project. ... from different locations with the 3D model of design or **virtual** environment ...

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... Page 3. Approved for public release; distribution is unlimited. Use of Optical Storage Devices
as Shared **Resources** In Local Area Networks by ... 49 11. Physical **Construction** of CD-ROM
54 12. ... control access to an optical storage device (or indeed any I/O device), it is ...

Related articles - All 3 versions

R Dieng - Intelligent Systems and their Applications, IEEE, 2002 - ieeexplore.ieee.org

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JS Risch, DB Rex, ST Dowson... - ..., 1997 IEEE ..., 2002 - ieeexplore.ieee.org

http://scholar.google.com/scholar?hl=en&num=100&q=IEEE+virtual+resources+...extracting&btnG=Search&as_sdt=80000000000000&as_vlo=&as_vhi=2003&as_vis=0 (3 of 16)11/1/2010 10:24:43 PM

been applied to one of the Link ... [7] Risch, JS, May, RA, Dowson, ST, Thomas, JJ, 1996, "A **Virtual Environment for Multimedia Intelligence Data Analysis**," **IEEE Computer Graphics ...**

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[\[PDF\] Aura: an architectural framework for user mobility in ubiquitous computing environments](#)

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JP Sousa, D Garian - ... of the 3rd Working **IEEE/IFIP** Conference on ..., 2002 - Citeseer
3rd Working **IEEE/IFIP** Conference on Software Architecture, Montreal, 2002. ... shielding the user from the heterogeneity of computing environments as well as from the variability of **resources**. ...
The web pages of some of the hotels include short videos featuring **virtual** visits to the ...

[Cited by 436](#) - [Related articles](#) - [View as HTML](#) - [All 26 versions](#)

[Routing of **resource** information in a network](#)

MJ Encarnacion, J Fiaks... - US Patent App. 10/742,588, 2003 - Google Patents
... Cl.7 G06F 15/16 (52) US Cl. (57) . 709/230 ABSTRACT A media server in a Universal Plug and Play (UPnP) network includes a **resource** sharing service to govern the distribution of **resource** information regarding **resources** to rendering devices. ...

[Related articles](#) - [All 5 versions](#)

[Adlet: an active document abstraction for multimedia information fusion](#)

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SK Chang... - Knowledge and Data Engineering, **IEEE** ..., 2002 - [ieeexplore.ieee.org](#)
... Capabilities must be provided to allow the adlets to organize and search the **resource** space by **constructing** links among themselves based on ... 118 **IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING**, VOL ... 4. A **virtual** graph with embedded hierarchies of adlets ...

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[A Comparison of Internet **Resource** Discovery Approaches](#)

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A Erntage, BK Thinking... - Boulder, Colo.: University of ..., 1992 - [unix.org](#)
... Library science has developed methods over hundreds of years to **construct** a model in which the user, with some experience, ... **Virtual** System Model, an approach to organizing large qsystems that allows users to build their own "**virtual** systems" from the available **resources**. ...

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[Internet-based collaborative product design with assembly features and **virtual** design spaces](#)

[\[PDF\] from unb.br](#)

N Shyamsundar... - Computer-Aided Design, 2001 - Elsevier
... has validated the Internet as the medium for collaborative engineering providing designers access to computing **resources**. ... VDES i of C i or VDES i of SA i . The **virtual** design space ... component or sub-assembly is available, then there are several methods for **constructing** a tight ...

[Cited by 125](#) - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)

[Information organization in multimedia **resources**](#)

R Kazman... - ... of the 11th annual international conference ..., 1993 - [portal.acm.org](#)
... Consequently, &adi- tional databases provide no easy way of **construct-** ing say, a muhimedia atlas ... The idea is that by **storing** descriptions along with each image the user can ask things like "find me modem bungalows with two ... Information Organization in Multimedia **Resources** ...

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[BOOK] Introduction to **Storage** Area Network, SAN

[PDF] from uni-heidelberg.de

RK Khattar... - 1999 - urz.uni-heidelberg.de

... He was one of the original Software Engineers on the RAMAC **Virtual** Storage Array (RVA) subsystem. ... Data is the underlying **resource** on which all computing processes are based; it is a ... a schematic overview of a SAN **connecting** multiple servers to multiple storage systems. ...

Cited by 21 - Related articles - View as HTML - Library Search - All 17 versions

Uniform web presence architecture for people, places, and things

[PDF] from psu.edu

P Debaty... - Personal Communications, **IEEE**, 2002 - [ieeexplore.ieee.org](#)

... It is the bridging of the **virtual** and physical worlds that makes this vision compelling. ... Page 3. **IEEE** Personal Communications • August 2001 48 Additional Requirements ... For efficiency purposes, the Directory also caches the XML description of all the **resources**. ...

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[PDF] Research problems for scalable internet **resource** discovery

[PDF] from psu.edu

CM Bowman, PB Danzig, MF Schwartz... - 1993 - Citeseer

... key behind the Dynamic WAIS gateways is the conceptual work of **constructing** the map ... to search, the WAIS retrieval phase is mapped into an **actual** domain search ... Without instrumentation, many services would waste network and secondary **store resources** on replicating rarely ...

Cited by 17 - Related articles - View as HTML - Library Search - All 12 versions

Delivering adaptive web content based on client computing **resources**

[PSI] from uwo.ca

A Choi... - Engineering for Human-Computer Interaction, 2001 - Springer

... This represents the amount of total memory, both physical and **virtual** memory, being used on the client ... Once the location of the XSL stylesheet is determined, the **actual** XSL stylesheet is applied ... Delivering Adaptive Web Content Based on Client Computing **Resources** 345 ...

Cited by 5 - Related articles - BL Direct - All 8 versions

[PDF] Mobile **Resource** Awareness

[PDF] from kth.se

E Wiklander, T Kanter... - Master of Science Thesis, ..., 2001 - [e.kth.se](#)

... The standard most commonly used for WLAN is called **IEEE** 802.11b [4]. Work on this standard began in 1990 and it was ... Non-physical objects **Virtual** Space ... The goal of my work is to study the possibilities to create a **resource** aware service and to work out a solution for such a ...

Cited by 3 - Related articles - View as HTML

Adapting to network and client variation using infrastructural proxies: Lessons and perspectives

[PDF] from berkeley.edu

A Fox, SD Gribble, Y Chawathe... - ..., Communications, **IEEE**, 2002 - [ieeexplore.ieee.org](#)

... The TACC API allows all cache workers to be managed as a single **virtual** cache by providing URL hashing, automatic ... could not be replenished (ie, we ran out of hardware), or until adding more of the saturated **resource** no longer ... **IEEE** Personal CommunicatiNns August 1998 ...

Cited by 424 - Related articles - BL Direct - All 15 versions

Web-based access to distributed high-performance geographic information systems for decision support

[PDF] from psu.edu

PD Coddington, KA Hawick... - System Sciences, 1999. ..., 2002 - [ieeexplore.ieee.org](#)

... 0-7695-0001-3/99 \$10.00 (c) 1999 **IEEE** ... better response time or **resource** utili- sation than if

individual departments under-utilised their own **resources** most of ... Improved scheduling on clusters can turn an unused re- source into a **virtual** supercomputer for these organisa- tions. ...

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C Ulmer, C Wood... - ... of the Workshop on Novel Uses of ..., 2002 - Citeseer

... The operating environment significantly influences the **construction** of key operations such as dynamic reconfiguration. ... This approach follows the concepts of demand paging in **virtual** memory, where a ... network allows other devices in the cluster to make use of these **resources**. ...

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[\[PDF\] Improving Knowledge Management via Effective Document Management System Design](#)

[\[PDF\] from psu.edu](#)

M Ginsburg - International Symposium on Information Systems and ..., 2001 - Citeseer

... queries, alternate user interface metaphors (such as a "**virtual** landscape of ... "Collaborative Information Space Analysis Tools, Proceedings, WETICE98 Conference, **IEEE**, Palo Alto, CA ... Organizing, and Visualizing Collections of Topically Related Web **Resources**", ACM Trans. ...

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S Ross... - British Library Research and Innovation Report, 1999 - cvso.co.uk

... The tape manufacturers then produce the **actual** storage media from the large rolls of coated material ... Digital Archaeology: Rescuing Neglected and Damaged Data **Resources** ... Most tapes will **store** the data sequentially, so retrieval, although lengthy, is a matter of reading a set of ...

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[\[PDF\] Database Access and Integration](#)

[\[PDF\] from ogsadal.org.uk](#)

M Atkinson, P Kunszt, I Narang... - ... commissioned for the ..., 2003 - ogsadal.org.uk

... Heterogeneity Transparency: The access mechanism should be independent of the **actual** implementation of ... Schema Change Transparency: Data **resources** should be allowed to rearrange their data, eg ... A strategy that delivers aspects of **virtual** databases is to combine specific ...

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[Implementation of a dynamic scheduler for apparel computer integrated manufacturing systems](#)

D GRA•ANIN, KP VALAVANIS, SAS Jr... - Journal of Intelligent ..., 1997 - Springer

... Once the schedule is tested, it can be applied to the **actual** ... These attributes are consulted when placing a machine in the **virtual** environment, to make sure that no constraints ... 15, from the library of known machines/ **resources** stored in the object-oriented database as shown in ...

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D Cleary... - High-Performance Computing and Networking, 1999 - Springer

... Proceedings of the **IEEE** Symposium on Information Visualisation, Atlanta, GA., pp 43-50, Oct. 1995. ... 3. Kalawsky Roy S. The Science of **Virtual** Reality and **virtual** Enviroments. Addison-Wesley, 1994. ... Request for Comments: 1738, Uniform **Resource** Locators (URL). ...

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Implementation of a dynamic scheduler for apparel computer integrated manufacturing systems

D Gracanin, KP Valavanis, II TW... - Journal of Intelligent ..., 1997 - ingentaconnect.com

... Once the schedule is tested, it can be applied to the **actual** ... These attributes are consulted when placing a machine in the **virtual** environment, to make sure that no constraints ... 15, from the library of known machines/ **resources** stored in the object-oriented database as shown in ...

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A Pedersen - 2001 - Citeseer

... an idea of how Topic Maps, even without any occurrences **connecting** them to ... new **resources** the Topic Extractor automatically extracts entities and relations from the discovered **resources**. ... Topics are modelled as Facets, Identities, Associations or any other Topic Map **construct**. ...

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J Thamm... - 1997 - Citeseer

... We claim that the nested relational model matches nicely the hierarchical structure of widgets and that **resources** map easily into attributes. ... **IEEE** Computer, 29:5, 78-86. ... VAG (1996) VRML Architecture Group: The **Virtual** Reality Modeling Language Specification - Version 2.0. ...

[Cited by 9](#) - [Related articles](#) - [View as HTML](#) - [Library Search](#) - [All 7 versions](#)

Virtual network mechanism to access well known port application programs running on a single host system

KC Yu - US Patent 5,636,371, 1997 - Google Patents

... Con- cept," **IEEE**, pp. ... t^u/vin^r!-i SERVICES) n^ . ETHERNET LAN 58d ^ TOKEN RING FDDI 58c ^ r i HOST SYSTEi PHYSICAL **RESOURCES** ^1 >0 ... OF THE INTERFACE FUNCTIONS OUTPUTO, IOCTLQ & RESET() CALL IF_ ATTACH () TO ADD THE **VIRTUAL** HOST IFNET ...

[Cited by 156](#) - [Related articles](#) - [All 2 versions](#)

Design principles for the information architecture of a SMET education digital library

[\[PDF\] from psu.edu](#)

A Dong... - ... of the 1st ACM/IEEE-CS joint conference on ..., 2001 - portal.acm.org

... 1 <http://www.ccic.gov/ac/> 2 <http://www.hpcnet.org/webcommission> 3 <http://tsc.ieee.org/> ... Users may opt to **store** profiling information to help locate and collaborate with "**virtual** colleagues ... The user is able to create a personal conceptual model of learning **resources** and share that ...

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J Tourtellot... - SPIE proceedings series, 2001 - Citeseer

... load data set contents from disk to memory, providing more effective use of these **resources**. ... For each time step, two **virtual** data sets are stored in local memory, corresponding to ... L. Ma, "Out-of-Core Streamline Visualization on Large Unstructured Meshes," **IEEE** Transactions of ...

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Applications of video-content analysis and retrieval

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N Dimitrova, HJ Zhang, B Shahraray... - ..., **IEEE**, 2002 - ieeexplore.ieee.org

... In contrast, shots are **actual** physical basic lay- ers in video, whose boundaries are determined

by editing points or where the camera ... **IEEE MultiMedia** ... is in organizing and indexing large volumes of video data to facilitate efficient and effective use of these **resources** for internal ...

[Cited by 202](#) - [Related articles](#) - [BL Direct](#) - [All 18 versions](#)

A distributed-object infrastructure for corporate Websites

[\[PDF\] from psu.edu](#)

I Kuz, P Verlaik, M Van Steen... - Distributed Objects and ..., 2002 - [ieeexplore.ieee.org](#)

... 1. Introduction A corporate website is the **virtual** representation of a cor- ... 0-7695-0819-7/00 \$10.00

0 2000 **IEEE** 165 ... GlobeDocs). These objects provide a standard interface that allows the

resources making up the document (ie, its ele- ments) to be retrieved. ...

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Challenges for machine learning in cooperative information systems

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M Singh... - ... Intelligence Meets Machine Learning Learning in ..., 1997 - Springer

... Agents can be identified not only with the passive **resources** on which the workflows execute, but also with the ... For CISs applied to enterprises or **virtual** enterprises, a variety of models are typically built. ... **IEEE Transactions on Knowledge and Data Engineering** 8(6):898-910. ...

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Evaluation of JAVA 2 and CORBA for platform independent control and monitoring of the next generation of the CODA data acquisition system

WG Heyes, D Abbott, C Timmer... - ... Fe 1999. 11th **IEEE** ..., 2002 - [ieeexplore.ieee.org](#)

... The CODA user could then chose the **actual** database based on CMIstrilli 'ts ... The Java **virtual** machine used in web based applications has restricted access to the machine nmning ... that we would expect lkm a run control interface require unrestricted access to system **resources**. ...

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Knowledge modeling--State of the art

[\[PDF\] from psu.edu](#)

V Devedzic - Integrated Computer-Aided Engineering, 2001 - IOS Press

... In building knowledge-based systems, developers usually **construct** new knowledge bases from scratch. ... the definition and use of metadata - de- scriptions of Web-based **resources** - but is ... extends the C++ language to cope with permanent object storage, production rules (data ...

[Cited by 37](#) - [Related articles](#) - [BL Direct](#) - [All 12 versions](#)

CEIF: a CORBA-based integrated framework for manufacturing enterprises

X Junqing, W Yun, C Min... - ... Conference, 1999. EDOC' ..., 2002 - [ieeexplore.ieee.org](#)

... Production', 'Computer Integrated Manufacturing System', 'Concurrent Engineering', 'Virtual Manufacturing' and 'Virtual Organization' have ... 0-7803-5784-1/99/\$10.00 0 1999 **IEEE**. ... database to **retrieve** and **store** such information as Froduct structure, **resource**, process execution ...

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Integrating spatial, semantic, and social structures for knowledge management

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C Chen... - ... Sciences, 1999. HICSS-32. Proceedings of ..., 2002 - [ieeexplore.ieee.org](#)

... 0-7695-0001-3/99 \$10.00 (c) 1999 **IEEE** Proceedings of the 32nd Hawaii International Conference on System Sciences - 1999 8 Page 9. ... The approach described here becomes more and more feasible as the computing **resources** required for **virtual** reality-based user ...

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Constraints as mobile specifications in e-commerce applications

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KY Hui, PMD Gray, GJL Kemp... - Semantic Issues in E- ..., 2003 - books.google.com

... We use con- straints to capture domain knowledge, which is distributed among different **resources**. ... KRAFT employs an agent architecture which makes it very suitable to support **virtual** organisations. ... **IEEE Computer**, 26 (1): 8-27. Embury, S.(1991). ...

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Integrating public and private network **resources** for optimized broadband wireless access and method

WA Hagen - US Patent App. 09/832,679, 2001 - Google Patents

... The integration operator services include databases and servers for **storing** and providing subscriber and network provider information for ... of 17 US 2002/0075844 AI TOP LAYER OF HIERARCHY: IDENTITIES 3010 , 3100 , 3200 , 3300 Subscriber Table **Resource** Provider ope ...

[All 2 versions](#)

Accelerated large data distribution in overlay networks

R Izmailov, S Ganguly, N Tu... - US Patent App. 10/749,947, 2003 - Google Patents

... **IEEE Infocom** 1999 and an article by J. Byers, J. [0010] Considine, M. Mitzenmacher and ... **Virtual** links (172-194), **connecting** the overlay nodes or servers correspond to the point-to ... either static, where network **resources** are reserved, or dynamic, where network **resources** are not ...

[All 2 versions](#)

Cutting and Pasting Up

H Lonsdale, C Jensen, E Wynn... - hicss, 1899 - computer.org

... 978-0-7695-3869-3/10 \$26.00 © 2010 **IEEE** ... The research was pursued out of a desire to understand the implications of **virtual** work from an individual users ... compared to 70.11% for Word (accounting for 46% of **resources**), and only 47.48% for PowerPoint (22% of **resources**). ...

[Related articles](#) - [All 4 versions](#)

Navy Distributed **Virtual** Library Requirements Analysis.

[\[PDF\] from dtic.mil](#)

DR Duncan... - 1995 - oai.dtic.mil

... 0.8 DTIC 15 6.0 FirstSearch (OCLC) 2 0.8 IEE (UK) 2 0.8 **IEEE** journals 17 ... continue the development of navigational tools, including a **virtual**, distributed Federal STI locator." Classified information ... prefer to use their office comput- ers to reach the information **resources** they need ...

[All 3 versions](#)

[\[PDF\]](#) Towards the Visual Earth

[\[PDF\] from psu.edu](#)

W Ribarsky - invited paper, National Research Council Workshop on ..., 2001 - Citeseer

... be recognized as having more **resources**, or more of a certain type of **resource**, than their ... However, it should be possible to **construct** a universal data organization, or organizing plan, such that ... The point is that the universal data structure, which is **virtual** but any part of which ...

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B Kilian - 1998 - Citeseer

... They modeled the VR environment on behaviours they had witnessed in **actual** battle simulations.

They ... 21 **resources**, interconnected by high-speed networks to support collaboration in design, training, education, scientific visualization, and computational steering, in **virtual** ...

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[\[PDF\] Gridella: an open and efficient Gnutella-compatible Peer-to-Peer System based on the P-Grid approach](#)

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R Schmidt - 12.077-16.175-14.091-6.932-6.242-7.688-5.454-4.347 ..., 2002 - Citeseer

... They do not share files and **resources** but only produce search requests. ... of Gridella's essential algorithmic foundations: P-Grid (Section 3.1), the process of **constructing** the P ... system is a decentralized file-sharing system whose participants form a **virtual** network communicating ...

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[\[PDF\] The tele-immersive data explorer: A distributed architecture for collaborative interactive visualization of large data-sets](#)

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N Sawant, C Scharver, J Leigh, A Johnson... - Proceedings of the ..., 2000 - Citeseer

... is done on a high end supercomputer (the tele-immersion server), with the **resources** to carry ...

When collaborating in a **virtual** environment, the user should be able to interact with the remote ...

3.2 The Tele-Immersion Server The TIS abstracts the TIC from the **actual** data, the TIC ...

[Cited by 36](#) - [Related articles](#) - [View as HTML](#) - [All 18 versions](#)

Heterogeneous parallel and distributed computing

VS Sunderam... - Parallel Computing, 1999 - Elsevier

... The **actual** parallelization decisions fall into two major categories — those related to structure ...

which is a dynamic collection of (potentially heterogeneous) computational **resources** managed

as ... The **virtual** machine concept is fundamental to the PVM perspective and provides the ...

[Cited by 24](#) - [Related articles](#) - [All 6 versions](#)

Facilitate knowledge communications

W Huang, T Tao, MS Hacid... - Proceedings of the 1st ACM ..., 2003 - portal.acm.org

... utilising this framework as the primary framework for developing a **virtual** learning environment ...

and Aref, WG ClusterView: A Hierarchical Video Shot Classification System", **IEEE** Trans. ...

Champin,PA, and Mille, A. Semantic Context Representation of **Resources** using Annotation ...

[Cited by 1](#) - [Related articles](#) - [All 2 versions](#)

Contexts, work processes, and workspaces

[\[PDF\] from psu.edu](#)

A Agostini, G Michelis, MA Grasso, W Prinz... - Computer Supported ..., 1996 - Springer

... The name of an object is often not expressive or user friendly enough for its use in a user interface.

Therefore a **construction** rule for a user friendly name can be supplied for an object type. ... In this

case the **actual** user identity is used to answer a request. ... procedure **resource** ...

[Cited by 69](#) - [Related articles](#) - [RL Direct](#) - [All 12 versions](#)

Integration of data between typed objects by mutual, direct invocation between object managers corresponding to object types

D Khoyi, MS Soucie, CE Surprenant... - US Patent ..., 1993 - Google Patents

... et al., "Privilege Transfer and Reno- vation in a Port-Based System", **IEEE** Transactions on ... Marc

San Sou- eie, et al., titled CUSTOMIZATION BY AUTO- MATED **RESOURCE** SUBSTITUTION, filed ... art have attempted to solve these problems, for example, by **constructing** 55 object ...

[Cited by 103](#) - [Related articles](#) - [All 2 versions](#)

Armada: a parallel I/O framework for computational grids* 1

[\[PDF\] from psu.edu](#)

R Oidfield... - Future Generation Computer Systems, 2002 - Elsevier

... these environments use high-speed networks to logically assemble **resources** into a **virtual** supercomputer ... In Section 3, we describe the process of **constructing** an armada, including the ...

The ship manager also monitors the hosts' **resource** consumption and periodically uses that ...

[Cited by 24](#) - [Related articles](#) - [All 22 versions](#)

First International Conference on Information Visualisation (IV'97)

JS Risch, DB Rex, ST Dowson, TB Walters... - 1997 - computer.org

... If an Ancillary Information **Resource** (AIR, eg, a map) displayed in the 3-D Workspace has also been applied to one of the Link ... [7] Risch, JS, May, RA, Dowson, ST, Thomas, JJ, 1996, "A **Virtual** Environment for Multimedia Intelligence Data Analysis," **IEEE** Computer Graphics ...

[Related articles](#)

Intradomain QoS routing in IP networks: a feasibility and cost/benefit analysis

G Apostolopoulos, R Guerin, S Kamat... - ..., **IEEE**, 2002 - [ieeexplore.ieee.org](#)

... The main benefits of QoS routing are thrccfold: it enables creation of **virtual**-circuit-like scrvices over IP networks, ... and the **resource** information provided in the topology database. ...

IEEE Network * SeptcmheriOctober 1999 45 Page 5. ransit networks ...

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[\[PDF\] Parallel simulation of radio **resource** management in wireless cellular networks](#)

[\[PDF\] from diva-portal.org](#)

M Lijjenstam - 2000 - [kth.diva-portal.org](#)

... least, reduce the penalty from mem- ory limitations compared to relying on **virtual** memory paging ...

of the incremental state saving mechanism was presented at the 10th ACM/**IEEE**/SCS Workshop ...

Parallel Simulation of Radio **Resource** Management in Wireless Cellular Networks ...

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[\[PDF\] Towards the interoperability of Web, database, and mass **storage** technologies for petabyte archives](#)

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R Moore, R Marciano, M Wan, T Sherwin... - NASA CONFERENCE ..., 1996 - Citeseer

... Instead they perform I/O through **Virtual** File Descriptor functions ... The operating system at each server or compute platform controls use of the local **resources**. ... 5. M. Stonebraker et al., "The

Implementation of Postgres", **IEEE** Transactions on Knowledge and Data Engineering ...

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[\[PDF\] Protocol Support for Commercial Access to Complex Database Applications](#)

[\[PDF\] from psu.edu](#)

RM Colomb... - Australian World-Wide Web Technical ..., 1997 - Citeseer

... defining the attribute semantics for a given domain, ie a **virtual** database representation of ...

Piatesky-Shapiro, G. (1993) "Systems for knowledge discovery in databases" **IEEE** Transactions on ... request - eg notifying the client that either **actual** or predicted **resource** consumption will ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [All 7 versions](#)

Configurable distributed retrieval of scientific data

[PDF] from psu.edu

DM Silva, K Schwan... - ... Distributed Systems, 1998 ... , 2002 - [ieeexplore.ieee.org](#)

... fragments Z and T act like concentrators, meaning that they temporarily **store** and manage the ...
implementation (the "concentrators") in terms of distribu- tion and use of **resources** such as ...
COBS-OM allows the **construction** of object abstractions that: (1) encapsulate some basic ...

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Heterogeneous multi-cluster networking with the Madeleine III communication library

[PDF] from inist.fr

O Aumage - ipdps, 2002 - [computer.org](#)

... replaced by extra information in message headers to reduce multiplex- ing **resource** usage, at ...
International Parallel and Distributed Processing Symposium (IPDPS'02) 1530-2075/02 \$17.00 ©
2002 **IEEE** ... The last relay of each **virtual** connection (the one retransmitting a block to ...

[Cited by 27](#) - [Related articles](#) - [All 8 versions](#)

[PDF] Enterprise Resource Planning Solutions and Management

[PDF] from powwwerpages.com

IRM Press, A Appicello... - 2002 - [powwwerpages.com](#)

... More and more companies **construct** their systems' architectures by integrating ERP systems
with ... ERP integrates core business functions such as logistics, finance, human **resources** and
sales ... popular hub-spoke- adapter architecture, Oracle uses XML to **extract** information from ...

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Electronic Resources for Security Related Information, CIAC-2307 R. 1

[PDF] from dlc.mil

R Feingold... - 1994 - [oai.dtic.mil](#)

... To the novice, this myriad of **actual** and potential connections, this diversity of protocols, this
spectrum ... of defiance and perversity, one publication has detailed and accurate instructions on
the **construction** of a ... 12 Electronic **Resources** for Security Related Information CIAC-2307 ...

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[PDF] A network software architecture for large scale virtual environments

[PDF] from psu.edu

MR Macedonia... - 1995 - [Citeseer](#)

... groups. Furthermore, we exploit the **actual** characteristics of the real-world large-scale ... network
resources to its area of interest via a local Area of Interest Manager (AOIM) and a persistent object
protocol. ... PREFACE A. MOTIVATION FOR BUILDING **VIRTUAL** ENVIRONMENTS ...

[Cited by 519](#) - [Related articles](#) - [View as HTML](#) - [Library Search](#) - [All 28 versions](#)

[PDF] Grid enabling technologies

[PDF] from psu.edu

SC Farantos, S Stamatiadis, N Nellari... - 2002 - [Citeseer](#)

... Especially considering an environment where dynamic, varying **resources** characteristics in both
time and ... Tuecke, S. "The Anatomy of the Grid: Enabling Scalable **Virtual** Organizations. ... Symposium
on High Performance Distributed Computing (HPDC-10)", **IEEE** Press, August ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

3D virtual environment creation management and delivery system

J Barrus, S McKeown... - US Patent 6,058,397, 2000 - [Google Patents](#)

... In this manner, it is not necessary to read and **store** an entire **virtual** reality environment file in

order to make changes to it. In addition, characteristics of target machines dictate what version the database reads out, thus to provide a version compatible with the target machine. ...

[Cited by 45](#) - [Related articles](#) - [All 3 versions](#)

Multitasking computer system for integrating the operation of different application programs which manipulate data objects of different types

D Khoi, MS Soucie, CE Surprenant... - US Patent ..., 1995 - Google Patents

... Krasner, Glenn, "The Smalltalk-80 **Virtual** Machine," Byte, Aug. ... A Structure Editor for Abstract Document the Design " * Hypermedia Document System", Insti- Objects," **IEEE** Transactions on ... 1.1.1 An Object Type: Folder 10 1.2 Links 1.3 Profiles 1.4 **Resources** 1.5 Operating ...

[Cited by 85](#) - [Related articles](#) - [All 2 versions](#)

A semantic information gathering approach for heterogeneous information sources on WWW

[\[PDF\] from psu.edu](#)

N Arch-Int... - Journal of Information Science, 2003 - jis.sagepub.com

... The following for- mulations outline the rules in **constructing** the XML metadata dictionary document. ... terms should be designed as the physical instances of the **virtual** property st_id ... [2] G.

Wiederhold, Mediators in the architecture of future information systems, **IEEE** Computer 25 ...

[Cited by 8](#) - [Related articles](#) - [All 11 versions](#)

[PDF] Using Ontologies and Semantic Networks with Temporal Media

[\[PDF\] from psu.edu](#)

PH Meland, J Austvik, J Heggland... - Semantic Web Workshop ..., 2003 - Citeseer

... If the user follows the Play merged resultset link, a **virtual** media document is created by merging all the intervals ... The low-level search returns the statements that matches the query, which is useful when looking for specific **resources**. ... **IEEE** MultiMedia, 10(1):66-70, 2003. ...

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[PDF] The UCSD Active Web

[\[PDF\] from psu.edu](#)

J Pasquale, R Belew, J Ferrante, R Impagliazzo... - 1998 - Citeseer

... 1 This document is a revised version of the **actual** proposal submitted to NSF on October 17 ... try to **construct** indexes for large semi-structured databases or try to find patterns in large ... The end user will access the **resources** of the Active Web via multimedia-capable network comput ...

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[TXT] MEDICAL EXPERIMENTAL COMPUTER RESOURCE

[\[TXT\] from nih.gov](#)

EA Feigenbaum - Medicine (AIM), 1978 - profiles.nlm.nih.gov

... X.25 protocol standards, the internal workings of the network will likely remain the same, namely, **constructing** fixed logical ... As, part of our effort to evaluate MAINSAIL's effectiveness in **actual** applications we have provided user consultation within available **resources** but we ...

[Cached](#) - [All 2 versions](#)

Stability of haptic displays in distributed **virtual** environment

[\[PDF\] from concordia.ca](#)

M Islam - 2001 - spectrum.library.concordia.ca

... ALF Application Level Framing SRM Scalable Reliable Multicast NAK Negative Acknowledgement ISTP Interactive Sharing Transfer Protocol URL Uniform **Resource** Locator ESPDU Entity State Update Protocol Data Unit RTP Real-Time Protocol VRTP **Virtual** Reality Transfer ...

Related articles

[PDF] Using Handheld Devices as Alternatives to Inspire Student Innovation in Designing New Information Technology

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YP Huang... - Proc. Int'l Conf. Eng. Education, 2003 - Citeseer

... Multimedia Embedded: With supporting multimedia **resources**, our system ... 1]. (2) Network related technology: The system frameworks include TCP/IP protocol, web server, **IEEE** 802.11b ... experience, we proved that our system can work properly both in the **virtual** scenario and ...

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A development platform for multimedia applications in a distributed, ATM network environment

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J Bates... - ... and Systems, 1994., Proceedings of the ..., 2002 - [ieeexplore.ieee.org](#)

... 0-8186-5530-5/94 \$3.000 1994 **IEEE** ... These are useful if we want to decrease the amount of **resources** used by particular objects. ... Source.play(); 3.2.5 Instantiation of script templates: We can define a script as an abstract template and then in-stantiate it with **actual** values when ...

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Information landscaping: information mapping, charting, querying and reporting techniques for total quality knowledge management

B Tsai - Information Processing & Management, 2003 - Elsevier

... system managers and users alike in filtering quality information **resources** and reducing ... minimal coordination, these two systems can cultivate an expandable **virtual** learning and ... of this research are to develop information landscaping techniques for **constructing** an information ...

Cited by 4 - Related articles - All 9 versions

Applying synthesis principles to create responsive software systems

CU Smith - Software Engineering, **IEEE** Transactions on, 2002 - [ieeexplore.ieee.org](#)

... 1398 **IEEE** TRANSACTIONS ON SOFTWARE ENGINEERING, VOL. ... This is because it is a transparent operation (the **actual** communication is usually handled by the ... processes should execute in parallel only when the communication over- head (and **resource** competition) are ...

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[PDF] SPARC-V9 architecture specification with Rapide

[PDF] from psu.edu

A Santoro, W Park... - 1995 - Citeseer

... Among its major characteristics are 64-bit integers, 64-bit **virtual** addresses, support for superscalar and ... This lack of restrictions as to how **actual** implementations of the architecture should behave is an ... to make the model executable, then, all that is necessary is to **construct** a top ...

Cited by 5 - Related articles - View as HTML - All 7 versions

Collaborative and interactive room design on the web

H Wang, X Xie... - 2000 - computer.org

... It is logically separate from the server component thus the server **resources** can be dedicated to scene genera- tion. ... Proc. **IEEE** Computer Conf., **IEEE** CS Press, Los Alamitos, Cal&, 193-200, 1994. ... Database and **Virtual** Human Representation on the WEB. ...

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Design and implementation of a framework for efficient and programmable sensor networks

[PDF] from psu.edu

A Boulis, CC Han... - Proceedings of the 1st ..., 2003 - portal.acm.org

... of the language, as they combine several of the basic building blocks to make **actual** control scripts ... script, a quantity that is needed by the "Admission Control & Policing of **Resource** Usage" task ... In essence the task provides many **virtual** timers relying on one timer provided by the ...

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Reconfigurable media processing

A Dasu... - Parallel Computing, 2002 - Elsevier

... executes x86 instructions using a Cyrix CPU core, it also acts as a **virtual** video card ... DSP-like parallel processors, a 32-bit RISC master processor with an integral **IEEE**-754 floating ... large variations in the data widths, would imply under-utilization of hardware **resources** most of ...

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[PDF] Source Discovery and Content Matching in Heterogeneous Information Environments

[PDF] from psu.edu

L Xu - 2001 - Citeseer

... contain useful knowledge. WordNet, for example, is one of the imported knowledge **resources**. ? Metadata View. ... Page 17. 16 set to apply machine-learning algorithms to generate rules to decide whether a target object set can match an **actual** or **virtual** source object set or a ...

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CUMULVS: Extending a generic steering and visualization middleware for application fault-tolerance

PM Papadopoulos, JA Kohl... - System Sciences, 1998., ..., 2002 - [ieeexplore.ieee.org](#)

... 1998 **IEEE** International Sci,mces CUMULVS is a midc cation programmers viewable and steerab simulations. ... Cpd's also add spare hosts to the **virtual** machine and manage task migra- tion to the new host ... Adds new computing **resources** in the event of ma- chine failure ...

[Cited by 13](#) - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)

International Symposium on Distributed Objects and Applications

I Kuz, HJ Sips, P Verkaik... - 2000 - computer.org

... 0-7695-0819-7/00 \$10.00 @ 2000 **IEEE** The Proceedings of the International Symposium on ... For ex- ample, a Java **virtual** machine and accompanying runtime library are needed to support Java ... These **resources** are all of- fered through standard platform-independent interfaces ...

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A standardization effort for agent technologies: The foundation for intelligent physical agents and its activities

[PDF] from psu.edu

H Suguri - System Sciences, 1999. HiCSS-32. Proceedings of ..., 2002 - [ieeexplore.ieee.org](#)

... The manufacturing industry itself is the primary target of interest, but the **virtual** network provisioning, agent services, and ... 0-7695-0001-3/99 \$10.00 (c) 1999 **IEEE** ... Copy and replay: An agent with privileged access rights to certain **resources** is illegally copied and sent with new ...

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TAP: a Semantic Web platform

[PDF] from psu.edu

R Guha... - Computer Networks, 2003 - Elsevier

... Web so that the data is not in a many small silos, but can be viewed as one large **virtual** database. ...

Unfortunately, it will not be easy to extend this to other kinds of **resources**. ... The **actual** query that is issued to each site is a function of that site's identifiers for the objects in the query ...

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[BOOK] [AQM-G: A Grid Environment for Air Quality Modeling Using EZ-Grid](#)

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Y Li - 2003 - Citeseer

... 2.2 The Campus Grid at University of Houston Campus grids at University of Houston are **virtual** organizations consisting of ... such as name, email etc but also information about **resources**, credentials, ... be able to graphically **construct** workflows by easy drag-and-drop operations. ...

[Related articles](#) - [View as HTML](#) - [Library Search](#) - [All 3 versions](#)

[PSI: a platform for shared interaction](#)

[\[PDF\] from psu.edu](#)

K Palfreyman, T Rodden... - ECSCW'99, 1999 - Springer

... Similarly, Collaborative **Virtual** Environments (CVEs) such as DIVE (Carlsson, 1993) and Massive (Greenhalgh, 1995) exploit ... application to display standard properties for each item in a list of sessions or **resources**. ... to the tuple space will "win" as it will change the **actual** tuple ID ...

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[Developing architectural platforms: A disciplined approach](#)

[\[PDF\] from psu.edu](#)

A Mihal, C Kulkarni, M Moskewicz... - ... of Computers, **IEEE**, 2002 - [ieeexplore.ieee.org](#)

... an asso- ciated power and delay overhead, however, which designers can mitigate through applica- tion-specific hardware **resources** in the ... **IEEE** Design & Test of Computers ... that rely on a par- ticular computation model to function, and the architecture as a **virtual** machine that ...

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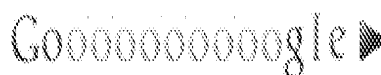
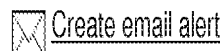
[PDF] [Designing a reusable and adaptive e-learning system](#)

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H Wu - 2002 - [cs.usask.ca](#)

... systems, computer-based learning systems, **virtual** classrooms, and digital collaborative learning GroupWare packages. ... The **IEEE** Learning Technology ... learning materials, management **resources**, and student data, so that they can be easily ...

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